

# Geosyntec<sup>®</sup>

consultants

## SPECIFICATION COVER SHEET

**Client:** Gowanus Canal Remedial  
Design Group

**Project:** Gowanus Canal – 4<sup>th</sup> Street  
Turning Basin Pilot Study –  
Dredging and Capping

**Project #:** HPH106A

**SPECIFICATION SECTION:**

01 51 00

**TITLE:**

TEMPORARY UTILITIES

**SPECIFICATION PREPARED BY:**  
(Specification Preparer, SP)

Signature



Name

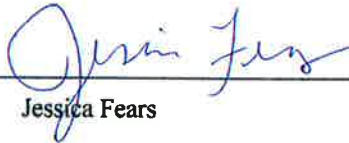
Lauren Wellborn

5/19/2017

Date

**SCOPE AND FORMAT CHECKED  
BY:**  
(Scope and Format Checker, SFC)

Signature



Name

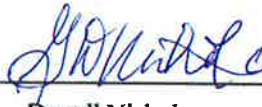
Jessica Fears

5/19/17

Date

**DETAILED REQUIREMENTS  
CHECKED BY:**  
(Detailed Requirements Checker, DRC)

Signature



Name

Darrell Nicholas

5/19/17

Date

**APPROVED BY:**  
(Specification Approver, SA)

Signature



Name

J.F. Beech

19 MAY 2017

Date

### Record of Revision (Number and initial all revisions)

Rev. No.	Reason	Date	By	Checked	Approval
0	TB4 Pilot Study Design – Issued for Bid	05/19/17	LSW	JMF	JFB

**SECTION 01 51 00**

**TEMPORARY UTILITIES**

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## **SECTION 01 51 00**

### **TEMPORARY UTILITIES**

#### **PART 1 GENERAL**

##### **1.01 SUMMARY**

- A. The Contractor shall be responsible for establishing connections and costs associated with temporary utilities as specified herein.

##### **1.02 RELATED SECTIONS**

- A. Section 01 33 00 Submittals
- B. Section 01 35 29 Health and Safety Requirements
- C. Section 01 41 00 Regulatory Requirements
- D. Section 01 57 13 Temporary Erosion and Sediment Control
- E. Section 01 57 19 Temporary Environmental Controls
- F. Section 01 78 00 Project Closure
- G. Section 31 23 00 Upland Excavation and Fill
- H. Contract Documents

##### **1.03 REFERENCES**

- A. Rules of the City of New York (RCNY). Title 15: *Department of Environmental Protection*. <<http://rules.cityofnewyork.us/codified-rules?agency=DEP>>.
- B. New York Administrative Code (NYAC). Title 24: *Environmental Protection and Utilities*.  
<[http://library.amlegal.com/nxt/gateway.dll/New%20York/admin/newyorkcityadministrativecode?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:newyork\\_ny](http://library.amlegal.com/nxt/gateway.dll/New%20York/admin/newyorkcityadministrativecode?f=templates$fn=default.htm$3.0$vid=amlegal:newyork_ny)>.

##### **1.04 SUBMITTALS**

- A. The Contractor shall submit the following to the Owner's Representative in accordance with Section 01 33 00:
  - 1. Temporary Utilities Work Plan, including plans for:

- a. Provision of toilet facilities for the duration of the Work;
- b. Provision of a fire suppression plan and all necessary fire suppression equipment for the duration of the Work;
- c. Provision of an installation and maintenance plan for temporary utilities for the duration of the Work; and
- d. Provision of a temporary utilities project closeout plan.

## **1.05 HEALTH AND SAFETY REQUIREMENTS**

- A. The Contractor shall comply with environmental health and safety/training requirements in accordance with the approved Health and Safety Plan and Section 01 35 29.

## **PART 2 PRODUCTS**

### **2.01 GENERAL**

- A. Furnish toilets and servicing for Contractor and for an additional 15 people working on the Staging Site
- B. Furnish fire suppression equipment and appurtenances.
- C. Furnish electrical power necessary for the Work. All temporary wiring, feeders, appurtenances, and connections shall be furnished by the Contractor. The Contractor is encouraged to use renewable energy to the extent possible and to document any such use and provide to the Owner's Representative.
- D. Furnish all temporary piping, hoses, connections, and appurtenances necessary to perform the Work.

### **2.02 EQUIPMENT**

- A. Furnish equipment to perform the Work in accordance with this Section and the Temporary Utility Work Plan.
- B. The Contractor is encouraged to use EnergyStar<sup>TM</sup> appliances if such appliances are available and needed for the Work. Documentation of such use is to be provided to the Owner's Representative,

## **PART 3 EXECUTION**

### **3.01 GENERAL**

- A. Verify existing conditions as shown on the Construction Drawings prior to beginning Work in this Section.
- B. Install, maintain, and inspect erosion and sediment controls and environmental controls prior to beginning Work in this Section in accordance with Section 01 57 13 and Section 01 57 19, respectively.
- C. Perform excavation and fill necessary for the Work described in this Section in accordance with Section 31 23 00.

### **3.02 TEMPORARY TOILET FACILITIES**

- A. Install and maintain temporary toilet facilities and associated equipment in accordance with any local laws, regulations, or requirements and in accordance with Section 01 41 00.
- B. Install adequate number and size of temporary toilet facilities and associated equipment for the anticipated workforce (including for the Contractor and 15 additional people working on the Staging Site) that will be utilizing the facilities.
- C. Temporary toilet facilities and associated equipment shall be serviced and maintained on a weekly schedule as recommended by the service providing the temporary toilet facilities.

### **3.03 FIRE SUPPRESSION**

- A. Install and maintain fire suppression equipment and appurtenances in accordance with any local laws, regulations, or requirements and in accordance with Section 01 41 00.
- B. Install adequate number and size of fire suppression equipment for the Work under this Contract.
- C. Fire suppression equipment shall be serviced and maintained on a schedule as recommended by the Contractor providing the equipment.

### **3.04 TEMPORARY ELECTRICAL FACILITIES**

- A. Electrical Services, except those provided in the guard booths and those supplied to street lights, shall be provided and maintained by the Contractor throughout the Work.
- B. All electrical Work shall be performed by personnel trained, licensed, and insured in New York.



- C. The use of generators or similar off-grid sources shall be approved by the Owner's Representative. Generators or similar off-grid sources shall comply with requirements set forth in RCNY Title 15, Chapter 28: "Citywide Construction Noise Mitigation," New York Administrative Code Title 24, Chapter 1: "Environmental Protection and Utilities – Air Pollution Control," and Section 01 57 19.
- D. Install and maintain all electrical power requirements needed to perform the Work described in the Contract Documents.
- E. The current electrical service will power the Administrative Area for Trailers and Parking (Reserved for Others), guard booths, and street lights. Electrical power obtained from the existing 200 amp service and power from upgrades of service at the Staging Site will be paid for by the Gowanus Canal Environmental Remediation Trust. The Contractor is responsible for providing electrical power for their operations.
- F. Install and maintain all temporary wiring, feeders, appurtenances, and connections necessary to perform the Work in accordance with any local laws, regulations, or requirements.

### **3.05 TEMPORARY WATER**

- A. A nearby New York City fire hydrant is shown on the Construction Drawings. The Contractor may apply for a hydrant permit with the City. The connection shall be approved by authorities having jurisdiction before making any connections.
- B. Obtain construction water for moisture conditioning of fill and for dust control through a New York City hydrant permit or equivalent suitable source of potable water. Contractor shall obtain the necessary permits in accordance with Section 01 41 00.
- C. The Contractor shall install all temporary piping, hoses, connections, and appurtenances required to deliver water to every point where needed. If ambient temperatures are expected to fall below freezing during the Work, pipes, hoses, connections and appurtenances shall be winterized to prevent leaking.
- D. All water used onsite shall be potable water, unless otherwise approved by the jurisdictional authority for a specific purpose.
- E. The Contractor shall provide potable water for workers.
- F. Water from the Canal shall not be used on Site for construction purposes (e.g., for moisture control).

**3.06 CLEAN UP**

- A. The Contractor shall remove all materials and equipment described in this Section as a part of final cleanup in accordance with Section 01 78 00, unless otherwise approved in writing by the Owner's Representative.

[END OF SECTION]